sterilisation process, characterized in that the sterilisation apparatus comprises a double-walled boiler] having an inner wall and an outer wall, whereby fluid **[such as demineralised water being]** is present between the inner and the outer wall **[by which]** such that a stable temperature of the **[boiler]** inner wall can be achieved as well as steam generated therefrom.

2. **(Amended)** **[A]**The apparatus according to claim 1, characterized in that **[at least]** regulators and heating elements in said double boiler walls can provide for a stable fluid temperature.

3. **(Amended)** **[A]**The apparatus according to claim 1**[or 2]**, characterized in that means are present for feeding steam for the sterilisation process pulsatingly into said boiler, **[as well as]** and means **[which]** can also provide a pulsating vacuum in said boiler such that air in the instruments or the like objects which are to be sterilised can be removed.

4. **(Amended)** **[A]**The apparatus according to **[any of preceding]** claim**[s]** 1**[-3]**, characterized in that means are present for setting**[, respectively]**and measuring pressure, temperature, time and output for controlling all phases occurring within said boiler before, during and after the sterilisation process.

5. **(Amended)** **[A]**The apparatus according to claim 4, characterized in that **[the]**said means are controlled by a process computer which displays various data read-outs digitally and/or alphanumerically and/or graphically**[, e.g. to an internal or external printing apparatus (printer)]**.

6. **(Amended)** **[A]**The apparatus according to **[any of the preceding]** claim**[s]**1, characterized in that a **[(time)]** switch clock for use of "stand-by" purposes, such as for heating-up of and maintaining the temperature of said boiler, is available.

7. **(Amended)** **[A]**The apparatus according to **[any or several of the preceding]** claim**[s]**1, characterized in that **[the]**a sterilisation space of the boiler is provided with lateral supports for a number of standard plateaus on which instruments, whether wrapped or not, and/or bandage substances may be placed.

8. **(Amended)** **[A]**The apparatus according to **[any or several of the preceding]** claim**[s]**5, characterized in that the front or feed side of the boiler can be sealed pressure-tight by means of a heat-isolating hinged door provided with an incorporated nut whereby the casing to that end is provided with a swivelable hermetically sealing screw.

10. **(Amended)** **[A]**The apparatus according to **[any or several of the preceding]** claim**[s]**1, characterized in said double-walled boiler consists of a cylindrical sterilisation boiler **[is]** placed symmetrically though non-concentrically within **[the]**a cylindrical outer boiler, such that in the use-position the volume of the fluid or water space **[down in]**on the bottom of the double-walled boiler is considerably larger than **[up in]**at the top of the boiler.

11. **(Amended)** **[A]**The apparatus according to **[any or several of preceding]** claim**[s]** 1**[-9]**, characterized in that said double-walled boiler consists of a cylindrical sterilisation boiler **[is]** placed concentrically within a cylindrical outer boiler.

12. **(Amended)** **[A]**The apparatus according to **[any of preceding]** claim**[s1-9]**5, characterized in that **[the]**said process computer and **[a]** said sterilisation apparatus **[according to claim 10 or 11]** are provided in a casing in which also the fluid reservoir with corresponding pump, control appendages, a dry-air connection and a connection to a vacuum line with valves **[being]**are present.

Please add the following claims:

13. The apparatus according to claim 1, characterized in that the front or feed side of the boiler can be sealed pressure-tight by means of a heat-isolating hinged door provided with an incorporated nut whereby the casing to that end is provided with a swivelable hermetically sealing screw.

14. The apparatus according to claim 1, wherein said fluid is demineralized water.

15. The apparatus according to claim 5, wherein said data read-outs are displayed to an internal or external printing apparatus.

REMARKS

The specification has been amended to include a reference to the International Application No. of the present application, PCT/NL97/00404. Additional amendments correct minor informalities in the specification.

The claims have been amended and Claims 13-15 added to more precisely claim the invention according to conventional practice before the United States Patent and Trademark Office.